

APPLICATION FOR REISSUE OF UNITED STATES PATENT

Inventors: William R. Sprague
133 Westminster Pike
Reisterstown MD 21136
United States Citizen

Steven W. Sprague
7908 Tressel Court
Severn MD 21144
United States Citizen

Invention: VERI MAG PACK

LAW OFFICES OF ROYAL W. CRAIG, P.C.
210 North Charles Street, Suite 1319
Baltimore, Maryland 21201
Telephone: (410) 528-8252

09453122-12099
6602T-2E73460

VERI MAG PACK

BACKGROUND OF THE INVENTION

1. Field of the invention

5 This invention relates to the improved design, construction, and security of packaging for a data card with an encoded magnetic stripe ("data card"), such as a telephone card, that provides security for the encoded data and a printed Personal Identification Number (PIN), a quick release feature to expedite point of purchase processing, packaging with a front and back plus a large area inside the package for printed telephone rate information, instructions for use, or advertisements, as applicable, and an economical way to print this information.

2. Description of the Background

10 There are limited data card holders that secure a magnetic stripe card to a cardboard backing, blister pack, inserted in envelopes, etc., but they do not protect the data card with a magnetic stripe in a secure pocket and still provide a simplified quick release feature that retains the data card in the packet while exposing only the magnetic stripe (and not the PIN). This feature permits the sales clerk to swipe the card through a magnetic reader to verify, activate, and register the PIN, while still maintaining the integrity of the packet.

15 Without admitting the prior art value of the same, U.S. Patent number 5,918,909 to Fiala derives from an earlier-filed application (now abandoned) that shows a data card sandwiched between opposing panels and riveted therein. Aside from the present invention, the Fiala '909

patent is the earliest known attempt at a package that permits swiping of the protruding card through a magnetic reader without destroying the integrity of the packet.

U.S. Patent number 5,609,253 to Goade discloses a data card security display packaging for the security of the encoded data and PIN on the back of a data card. The Goade '253 packaging is piece of card stock with a continuous laminate covering the data card.

Unfortunately, the Goade '253 packaging has to be substantially destroyed, as Goade describes, to gain access to the magnetic stripe and PIN on the back of the data card. After the package is destroyed the data card has to be removed to be passed through the magnetic reader.

Consequently, the magnetic stripe and PIN are exposed to the retail sales clerk, thereby compromising the security of the PIN printed on the back of the data card. Further, printing is much more constrained. There is no provision for printing text on the interior of the Goade '253 packaging, and two passes of a printing press are required to print the front and back of the packaging.

U.S. Patent No. 5,427,832 to Longtin shows a continuous business form with a data card in a pocket. The Longtin '832 package is designed for residential mailing rather than retail sales packaging. Again, the packaging must be substantially destroyed to gain access to the magnetic stripe on the back of a data card, thereby compromising the security of the PIN. Moreover, the Longtin '832 reference has no display window for displaying the card itself.

U.S. Patent number 3,773,251 to Hadick likewise shows packaging must be opened to reveal the magnetic stripe, not only destroying the integrity of the packaging, but compromising the confidentiality of the printed PIN at the retail location.

U.S. Patent Nos. 5,294,041 and 5,376,048, are continuous feed mailers designed to send confidential data on a form hidden by a perforated cover. These are mailers that are unsuitable for retail sales display. The packaging must be substantially destroyed to gain access to the magnetic stripe on the back of a data card, thereby compromising the security of the PIN.

5 Moreover, there is no display window for displaying the card itself.

It would be greatly advantageous to provide a retail package design for data cards that allows the data card to remain secured in the packaging when passed through a magnetic reader, thereby maintaining the integrity of the pack and keeping the printed PIN hidden. It would also be advantageous to provide a design layout that increases the available print area for printing rate information, instructions for use, marketing data, or advertisements, as applicable, and yet facilitates printing in one pass of a printing press thus saving the manufacturer money.

SUMMARY OF THE INVENTION

15 Pilferage of the confidential PIN on the back of a data card is one of the most serious problems in data card retail sales. The primary object of our invention is to provide packaging that will protect the security and confidentiality of encoded data on a magnetic stripe and PIN on the back of a data card and provide immediate simple access to the magnetic stripe by a retail sales clerk without damaging the integrity of the packaging or exposing the PIN printed on the back of the data card. Our invention, titled the VERI MAG PACK (VMP or "the pack"), is a
20 Verification Magnetic Stripe Pack that accomplishes this purpose. The VMP includes a data card glued inside a transparent cellophane window on the lower portion of the pack. The

666021-225460
10
magnetic stripe is kept secure until the quick release feature is used. The bottom perforated portion of the data card pack is removed exposing the magnetic stripe portion of the data card but not the printed PIN, and the data card remains glued to the pack. A retail sales clerk can then pass the magnetic stripe on the data card, that is still attached to the pack, through a
5 magnetic reader at the point of purchase, validating and activating the encoded data and the PIN, without access to the printed PIN. The pack is sold to a customer who is the only one who can access the printed PIN without destroying the packaging. The purchaser removes the top and side perforated edges from the VMP, and folds it open like a book exposing the PIN printed on the top portion of the back of the data card, and telephone rate information, instructions for use, or advertisements, as applicable, printed on the inside of the pack.

Further objects of our invention are to provide a data card packaging design that can be printed economically and to provide a substantial area inside the packaging for printing of text materials, such as telephone rate information, instructions for use, or advertisements, as applicable.

BRIEF DESCRIPTION OF THE DRAWINGS

20
FIG. 1 is a drawing of the 11" x 7.5" ten to twenty point one-piece opaque board packaging that when folded, becomes the front and back sides of our 5.5" x 7.5" packaging invention, titled the VERI MAG PACK (VMP or "the pack"). At the top of the pack is a diecut hanger hole for retail sales display. A 3.375"x2.125" diecut transparent cellophane window is designed to display and hold a data card [is].

22. c4 c47 FIG. 2 is the completed front view of the VERI MAG PACK. It is now folded and sealed (glued) and perforated to form the completed pack. The figure shows a diecut hanger hole for retail sales display at the top and a diecut transparent cellophane window designed to hold a data card at the bottom. The perforation at the bottom is to allow quick access to the magnetic stripe but does not reveal the PIN. The top and side perforations are provided so that the pack can fold open like a book giving the purchaser easy access to the PIN printed on the upper portion of the back side of the data card, and a list of telephone rate information, instructions for use, or advertisements, as applicable, printed on the inside of the pack.

22. c5 C57 FIG. 3 is a completed back view of the VERI MAG PACK. It shows the diecut hanger hole, the perforated edges and bottom perforations of the pack for easy access to the data card magnetic stripe and printed material.

22. c5.57 FIG. 4 is a cut-away front view of the VERI MAG PACK. In this view, one-half of the front of the data card is exposed. The data card remains glued to the upper portion of the pack protecting the PIN when the bottom perforation is removed thus maintaining the integrity of the pack.

22. c6 C67 FIG. 5 is a cut-away back view of the VERI MAG PACK. It shows the bottom portion of the back side of the data card with the magnetic stripe exposed. In this position, the magnetic stripe is passed through a magnetic reader to verify and activate the PIN. The PIN printed on the top portion of the back side of the data card remains hidden. The data card remains securely attached to the upper portion of the pack with adhesive maintaining the integrity of the pack. It also shows the diecut hanger hole and the top and side perforated edges.

22 c1 c9 FIG. 6 is the inside view of the VERI MAG PACK, which measures 10.25" x 5.5" after the top and side perforated edges and the data card are removed by the purchaser. This provides an area that can be used by the manufacturer to print telephone rate information, instructions for use, or advertisements, as applicable.

25 c8 c9 FIG. 7 is the bottom, 5.5" x 2", quick release, disposable portion of the VERI MAG PACK with the diecut transparent cellophane window attached, which when removed, exposes the bottom half of the data card and the magnetic stripe.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

28 c9 c10 FIG. 1 is an illustration of a ten to twenty point one-piece opaque paper board packaging 10 (with exemplary dimensions of approximately 7.5" x 11") from which the VERI MAG PACK (VMP or "the pack") 30 is constructed with a first side (exterior) 11 and a second side (interior) 12 (not shown), length 13, and width 14. When folded in half along folding points 15 and glued, the packaging 10 becomes the finalized VMP 30 (see FIG 2). Specifically, the right side of the packaging 10 becomes the front side 31 and the left side 12 becomes the back side 32 of the VMP 30 with a length 13 and width 33 (7.5" x 5.5").

30 c10 FIG. 2 shows the front side 31 and FIG. 3 shows the back side 32 of the VMP 30. A diecut [transparent cellophane] window is formed in the front side 31, and a transparent cellophane layer is glued across the window to form a transparent cellophane window 16 [glued and] covering a data card 17. The data card 17 is of the type having [with] a front side 18, back side 19, magnetic stripe 20, length 21, width 22 (see FIG. 4 and FIG. 5). In the illustrated

embodiment, perforations are shown on three sides of the packaging 10, including top side perforation 23, right side perforation 24, and bottom perforation 25, all to facilitate quick access to the data card 17 and the printed information on the inside of the VMP 30. The quick release of the bottom 25 perforated area of the VMP 30 reveals the magnetic stripe 20 on the bottom half of the back of the data card 17 that a retail sales clerk can pass through a magnetic reader at the point of purchase and electronically verify and activate the encoded data and PIN 39 (see FIG. 4 and FIG. 5) on the data card 17. The PIN 39 on the data card is not valid until verified and activated thus increasing and protecting the security of the encoded data until purchased. The PIN 39 is not seen by anyone between manufacture and purchase, until a purchaser opens the packaging. When all the perforations, top side perforation 23, right side perforation 24, and bottom side perforation 25 of the VMP 30 are removed, the pack opens like a book (see FIG. 6) releasing the data card 17 and displaying an area of approximately 7.5" x 11" available for printed text such as telephone rate information, instructions for use, or advertisements applicable to the data card 17.

In addition to the above-described advantages, the one-piece paperboard construction of the VMP packaging 10 permits the four-color printing of the entire first side (exterior) 11 (the actual front side 31 and back side 32 of the completed VMP 30 as described above) in one single pass of a printing press rather than the two separate passes required to print a two-piece exterior package resulting in savings for the manufacturer of the VMP. The same savings is realized when printing the second side (interior) 12 of the VMP (see FIG. 7). This interior, with an area

of 7.5" x 11" available for printed text as described above, can also be printed in one pass of a printing press instead of the two separate passes required to print a two-piece interior package.

The diecut hanger hole 26 at the top of the packaging 10 and VMP 30 is provided for the display of the pack at a retail location.

5
1
3
10
15
666027-2E13450

FIG. 2 shows the completed VMP 30 with a front side 31 and a back side 32, a length 13 and width 33, interior glue spots, top side 34, right side 35, and bottom 36 that seals the front side 31 and back side 32 of the VMP 30 by sandwiching the data card 17 and the diecut transparent cellophane window 16 to the opaque interior of the VMP protecting, yet permitting the exposure of the front side 18 of the data card 17 that is sandwiched between the diecut transparent cellophane window on the front side 31 and back side 32 of the VMP 30. Perforations on the top side 23, right side 24, and bottom 25 permit quick opening of the VMP for easy access to the data card 17. The bottom 25 perforation is removed to gain access to the magnetic stripe 20 for passing through a magnetic reader for immediate verification and activation of the encoded data and PIN 39 (see FIG. 4 and FIG. 5). The front side 31 of the VMP 30 as shown in this figure is [generally] preferably printed with a multi-color company logo, graphics, or advertising information.

20

FIG. 3 shows the back side 32 of the completed VMP 30 with a length 13, width 33, perforations on the top side 23, right side 24, and bottom 25, and diecut hanger hole 26 at the top of the pack. The back side 32 is made of opaque paper board that completely covers the back 19 of the data card 17 that is sandwiched in the middle of the VMP 30 thus protecting the security of the encoded data on the magnetic stripe 20 and PIN 39 on the back 19 of the data card 17

while permitting a view of the front side 18 of the data card 17 through the diecut transparent cellophane window 16 for advertising purposes. Thus the printed PIN 39 cannot be read unless the perforated areas are removed, which would result in a damaged package, and if the PIN 39 was exposed, the data card could not be used because the PIN 39 would not have been verified or activated. This a significant improvement in the security of the PIN 39 not found in similar packaging. The PIN is not viewed by any individual from manufacture of the pack until the packaging is opened by the purchaser.

FIG. 4 shows the front side 31 of the VMP 30, length 13, width 33, with the bottom 25 perforated area removed, diecut hanger hole 26, perforated top 23, right side 24, with one-half of the front side 18 of the data card 17 exposed. The magnetic stripe 20 is located on the back side 19 of the data card 17 (see FIG. 5). In this configuration, the data card 17 is ready to pass through the magnetic reader for verification and activation of the encoded data and PIN 39. In an alternate embodiment of the invention, t[T]he VMP 30 is [also] manufactured in this configuration without the bottom 25 perforated portion, thereby leaving [exposing] the magnetic stripe 20, normally exposed to further expedite point of purchase processing while protecting the integrity of the PIN 39.

FIG. 5 shows the back side 32 of the VMP 30, length 13, width 33, with the bottom 25 perforated portion removed, putting the magnetic stripe 20 of data card 17 in a position to be passed through a magnetic reader for verification and activation of the encoded data and PIN 39. The perforations at the top 23 and right side 24 are sealed but when removed expose the entire data card 17 and telephone rate information, instructions for use, or advertisements on the

second side (interior) 12 of the VMP 30. One of the glue strips 37 that adheres the data card 17 to the second side (interior) 12 of the pack is also shown. A diecut hanger hole 26 is provided for retail display purposes.

FIG. 6 illustrates the second side (interior) 12 of the packaging 10 of the VMP 30, length 13, width 14, with a diecut transparent cellophane window 16 removed. The VMP 30 with perforations, top side 23, right side 24, and bottom 25 removed and unfolded like a book at folding point 15 revealing the second side (interior) 12 that is also the interior of the VMP 30 with an area of 7.5" x 11" available for printed text, such as telephone rate information, instructions for use, or advertisements, as applicable. The bottom 25 perforated portion and data card 17 are removed. The entire one-piece second side (interior) 12 is economically printed in one pass of a printing press instead of the two separate passes required to print a two-piece interior package. Most similar packaging does not provide such a large area, if any, for printed advertising and instructional information. This is a significant improvement in data card packaging.

FIG. 7 shows the bottom 25 perforated two-inch portion 29 of the VMP 30 with a diecut transparent cellophane window 16 after it is detached from the VMP 30 and a glue strip 28 that helps hold the front side 31 and back side 32 of VMP 30 together and secures and seals the data card 17 to protect the encoded data.

~~Having now fully set forth the preferred embodiments and certain modifications of the concept underlying the present invention, various other embodiments of the lateral-mount lower tank as well as certain variations and modifications thereto may obviously occur to those skilled~~

in the art upon becoming familiar with said underlying concept. It is to be understood, therefore,
that the invention may be practiced otherwise than as specifically set forth herein.

094531.32 - 120999